



Workplace Assessment

Test & Verify Rail Traction Installations

Candidate: _____

Employer: _____

Date: _____

Workplace Assessment – Solve Problems in Circuits
Candidate:

Workplace Assessment Details

Candidate Name:	Employer:	
Assessor Name:	Date:	Time:
Work Location:		

Methods of assessment key:

- | | |
|----------------------------|----------------------------|
| WO = Workplace Observation | P = Portfolio |
| Q = Questioning | TPF = Third Party Feedback |
| SA = Structured Activities | RP = Review of Products |

The candidate will be assessed by one or more of the following methods:

- workplace observation, whereby the assessor watches the candidate carry out a task as part of his or her normal work duties
- questioning, whereby the assessor asks the candidate questions to determine his or her understanding of underpinning knowledge, in relation to relevant workplace activities
- structured activities, whereby the assessor observes the candidate participate in a simulation, scenario or role play
- portfolio, whereby the assessor collects evidence from the workplace, such as workplace documents, that demonstrate that the candidate has participated in relevant workplace activities
- third party feedback, whereby the assessor conducts one or more interviews with the candidate’s supervisor(s) and / or peers to gain information relating to the candidate’s performance in the workplace
- review of products, whereby the assessor reviews samples of work, completed by the candidate, in the workplace

Workplace Assessment – Solve Problems in Circuits

Candidate:

Assessment Elements

Employability skills				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
1	Candidate arrives at work on-time, with required tools, PPE and equipment		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Preparing to undertake work				
2	Candidate participates in and contributes to Job Safety Analysis (JSA)		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

3	Candidate has an understanding of safe work methods, work permits and associated procedures		<input type="checkbox"/> Yes <input type="checkbox"/> No	
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Preparing to undertake work				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
4	Candidate identifies risks to the environment related to the work to be carried out		<input type="checkbox"/> Yes <input type="checkbox"/> No	
5	Candidate analyses and confirms work schedule / plans / drawings and procedures related to the work to be performed		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

6	Candidate selects tools, PPE and test equipment appropriate to carry out the task		<input type="checkbox"/> Yes <input type="checkbox"/> No	
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Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
7	Candidate carries out a visual inspection of a rail traction installation and documents outcomes, using one or more of the following methods: <i>(indicate)</i> <input type="checkbox"/> Infra-red camera <input type="checkbox"/> X-Ray <input type="checkbox"/> Camera <input type="checkbox"/> Binoculars/telescope		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

8	<p>Candidate verifies compliance of one or more of the following towers: <i>(indicate)</i></p> <p>() Delta () Pi () Pyramid () Enterprise specific type</p>		<input type="checkbox"/> Yes <input type="checkbox"/> No	
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Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
9	<p>Candidate verifies compliance of three or more of the following traction system components: <i>(indicate)</i></p> <p>() Insulators () Clamps () Bolts () Conductor spacers () Vibration dampers () Structural components</p>		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

10	<p>Candidate verifies compliance of one or more of the following conductor types: <i>(indicate)</i></p> <p>() Copper () Aluminium () Steel () Aluminium/steel reinforced</p>		<input type="checkbox"/> Yes <input type="checkbox"/> No	
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Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
11	<p>Candidate safely uses a hook ladder to inspect, check &/or conduct tests on rail traction system conductors, components and equipment</p>		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

12	Candidate safely uses a voltage indicating device to determine whether a voltage is present		<input type="checkbox"/> Yes <input type="checkbox"/> No	
13	Candidate safely uses earthing conductors to earth overhead traction equipment		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
14	Candidate verifies compliance of protection methods used in a rail traction installation		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

15	Candidate verifies that rail traction switchgear is appropriately rated and meets functional requirements		<input type="checkbox"/> Yes <input type="checkbox"/> No	
16	Candidate verifies compliance of a rail traction earthing system		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments

Workplace Assessment – Solve Problems in Circuits

Candidate:

17	<p>Candidate uses one or more of the following plant / equipment to conduct inspection and testing of a rail traction installation: (<i>indicate</i>)</p> <p>() Elevated work platform () Portable platform () Gondola () Elevated work box</p>		<input type="checkbox"/> Yes <input type="checkbox"/> No	
18	<p>Candidate verifies that rail traction network voltage levels comply with network supply standards</p>		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments

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Workplace Assessment – Solve Problems in Circuits

Candidate:

19	Candidate performs tests to ensure correct rail traction system phasing and records test results		<input type="checkbox"/> Yes <input type="checkbox"/> No	
20	Candidate performs tests to ensure correct rail traction system phase rotation and records test results		<input type="checkbox"/> Yes <input type="checkbox"/> No	
21	Candidate performs tests to ensure correct rail traction system polarity and records test results		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Carrying out work tasks

	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
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Workplace Assessment – Solve Problems in Circuits

Candidate:

22	Candidate draws on underpinning knowledge and skills to identify and report non-compliance defects		<input type="checkbox"/> Yes <input type="checkbox"/> No	
23	Candidate draws on underpinning knowledge and skills to rectify non-compliance defects		<input type="checkbox"/> Yes <input type="checkbox"/> No	
24	Candidate confirms procedures for reporting accidents and/or incidents to authorised personnel		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Completing work tasks

	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
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Workplace Assessment – Solve Problems in Circuits

Candidate:

25	Work area is cleaned and tools, equipment and materials are cleaned and stored		<input type="checkbox"/> Yes <input type="checkbox"/> No	
26	Candidate notifies appropriate personnel of work completion according to established procedures		<input type="checkbox"/> Yes <input type="checkbox"/> No	
27	Candidate completes mandatory documentation and reporting on installation compliance		<input type="checkbox"/> Yes <input type="checkbox"/> No	

END OF ASSESSMENT

Assessor Comments

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Workplace Assessment – Solve Problems in Circuits

Candidate:

Assessment Outcome

The evidence gathered demonstrates that the candidate can prepare for, carry out and complete work tasks autonomously, to requirements and time-frames typically expected in the industry, and at a level of competency that reflects his/her current stage through their training program:

Yes

No

I have made the determination above, based on evidence collected by using a variety of assessment methods, as detailed above, utilised in the candidate's workplace:

Assessor: _____

Signature: _____ Date: _____

Candidate Feedback (including gaps and improvement strategies if required)

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Workplace Assessment – Solve Problems in Circuits
 Candidate:

Candidate Declaration

I have been informed of the assessment result, the reasons behind the determination and a strategy for improvement if necessary.

Candidate: _____

Signature: _____ Date: _____

Competency Map & Checklist

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Workplace Assessment – Solve Problems in Circuits

Candidate:

The competency map below indicates which CSUs relate to each performance element of the assessment.

Element	Competency Standard Unit (CSU)	Element	Competency Standard Unit (CSU)	Element	Competency Standard Unit (CSU)
<input type="checkbox"/> 1	UEENEEE101A Employability Skills	<input type="checkbox"/> 2	UEENEEE101A UETTDRRRT99A	<input type="checkbox"/> 3	UEENEEE101A UETTDRRRT99A
<input type="checkbox"/> 4	UETTDREL11A	<input type="checkbox"/> 5	UEENEEE101A UETTDRRRT99A	<input type="checkbox"/> 6	UEENEEE101A UETTDRRRT99A
<input type="checkbox"/> 7	UETTDRRRT99A	<input type="checkbox"/> 8	UETTDRRRT99A	<input type="checkbox"/> 9	UETTDRRRT99A
<input type="checkbox"/> 10	UETTDRRRT99A	<input type="checkbox"/> 11	UETTDRRRT99A	<input type="checkbox"/> 12	UETTDRRRT99A
<input type="checkbox"/> 13	UETTDRRRT99A	<input type="checkbox"/> 14	UETTDRRRT99A	<input type="checkbox"/> 15	UETTDRRRT99A
<input type="checkbox"/> 16	UETTDRRRT99A	<input type="checkbox"/> 17	UEENEEE101A UETTDRRRT99A	<input type="checkbox"/> 18	UETTDRRRT99A

Element	Competency Standard Unit (CSU)	Element	Competency Standard Unit (CSU)	Element	Competency Standard Unit (CSU)
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Workplace Assessment – Solve Problems in Circuits
Candidate:

<input type="checkbox"/>	19	UEENEEE101A UEENEEE104A UEENEEG101A UEENEEG102A UETTD RRT99A	<input type="checkbox"/>	20	UEENEEE101A UEENEEE104A UEENEEG101A UEENEEG102A UETTD RRT99A	<input type="checkbox"/>	21	UEENEEE101A UEENEEE104A UEENEEG101A UEENEEG102A UETTD RRT99A
<input type="checkbox"/>	22	UETTD RRT99A	<input type="checkbox"/>	23	UETTD RRT99A	<input type="checkbox"/>	24	UEENEEE101A UETTD RRT99A
<input type="checkbox"/>	25	UETTDREL11A UEENEEE101A UETTD RRT99A	<input type="checkbox"/>	26	UETTD RRT99A	<input type="checkbox"/>	27	UETTD RRT99A



Workplace Assessment

Install & Maintain Traction Bonds

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Workplace Assessment – Solve Problems in Circuits
Candidate:

Candidate: _____

Employer: _____

Date: _____

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Workplace Assessment – Solve Problems in Circuits
 Candidate:

Workplace Assessment Details

Candidate Name:	Employer:	
Assessor Name:	Date:	Time:
Work Location:		

Methods of assessment key:

-
- | | |
|----------------------------|----------------------------|
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| SA = Structured Activities | RP = Review of Products |
-

The candidate will be assessed by one or more of the following methods:

- workplace observation, whereby the assessor watches the candidate carry out a task as part of his or her normal work duties
- questioning, whereby the assessor asks the candidate questions to determine his or her understanding of underpinning knowledge, in relation to relevant workplace activities
- structured activities, whereby the assessor observes the candidate participate in a simulation, scenario or role play
- portfolio, whereby the assessor collects evidence from the workplace, such as workplace documents, that demonstrate that the candidate has participated in relevant workplace activities
- third party feedback, whereby the assessor conducts one or more interviews with the candidate’s supervisor(s) and / or peers to gain information relating to the candidate’s performance in the workplace
- review of products, whereby the assessor reviews samples of work, completed by the candidate, in the workplace

Candidate:

Assessment Elements

Employability skills				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
1	Candidate arrives at work on-time, with required tools, PPE and equipment		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Preparing to undertake work				
2	Candidate receives and confirms instructions and procedures related to the work to be performed		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

3	Candidate receives and confirms OHS procedures, and participates in Job Safety Analysis (JSA)		<input type="checkbox"/> Yes <input type="checkbox"/> No	
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Preparing to undertake work				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
4	Candidate identifies and obtains required work permits		<input type="checkbox"/> Yes <input type="checkbox"/> No	
5	Candidate identifies risks to the environment related to the work to be performed		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

6	Candidate identifies and confirms arrangements for rail/road traffic management		<input type="checkbox"/> Yes <input type="checkbox"/> No	
7	Candidate selects tools, PPE and equipment appropriate to carry out the task		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Carrying out work tasks

	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
8	Candidate installs two or more of the following traction bonds: <i>(indicate)</i> <input type="checkbox"/> Covered or bare aluminium bonds <input type="checkbox"/> Copper bonds <input type="checkbox"/> Steel bonds <input type="checkbox"/> Steel rail		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

9	<p>Candidate uses three or more of the following tools/equipment to install traction bonds: <i>(indicate)</i></p> <p>() Bonding specific tools () Crimping devices () Thermal moulds () Rail drill () Bonding fittings () Explosive power tools () Portable hand tools</p>		<input type="checkbox"/> Yes <input type="checkbox"/> No	
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Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
10	<p>Candidate maintains two or more of the following traction bonds: <i>(indicate)</i></p> <p>() Covered or bare aluminium bonds () Copper bonds () Steel bonds () Steel rail</p>		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

11	<p>Candidate uses three or more of the following tools/equipment to maintain traction bonds: (<i>indicate</i>)</p> <p>() Bonding specific tools () Crimping devices () Thermal moulds () Rail drill () Bonding fittings () Explosive power tools () Portable hand tools</p>		<input type="checkbox"/> Yes <input type="checkbox"/> No	
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Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
12	<p>Candidate implements work practices to minimise waste, conserve energy, recycle materials and protect the environment</p>		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

13	Candidate follows instructions and safe work methods/procedures at all times		<input type="checkbox"/> Yes <input type="checkbox"/> No	
14	Candidate confirms procedures to deal with non-routine events, provides suitable solutions and/or refers events to authorised personnel		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
15	Candidate confirms procedures for reporting accidents and/or incidents to authorised personnel		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

Completing work tasks				
16	Candidate returns work permit(s) and/or access authorisation(s)		<input type="checkbox"/> Yes <input type="checkbox"/> No	
17	Work area is cleaned and tools, equipment and materials are cleaned and stored		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Completing work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments

Workplace Assessment – Solve Problems in Circuits

Candidate:

18	Candidate notifies appropriate personnel of work completion according to established procedures		<input type="checkbox"/> Yes <input type="checkbox"/> No	
19	Candidate completes works completion records, report forms/data sheets accurately		<input type="checkbox"/> Yes <input type="checkbox"/> No	

END OF ASSESSMENT

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Workplace Assessment – Solve Problems in Circuits

Candidate:

Assessor Comments

Assessment Outcome

<p>The evidence gathered demonstrates that the candidate can prepare for, carry out and complete work tasks autonomously, to requirements and time-frames typically expected in the industry, and at a level of competency that reflects his/her current stage through their training program:</p>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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I have made the determination above, based on evidence collected by using a variety of assessment methods, as detailed above, utilised in the candidate's workplace:

Assessor: _____

Signature: _____ Date: _____

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Workplace Assessment – Solve Problems in Circuits

Candidate:

Candidate Feedback (including gaps and improvement strategies if required)

Candidate Declaration

I have been informed of the assessment result, the reasons behind the determination and a strategy for improvement if necessary.

Candidate: _____

Signature: _____ Date: _____

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Competency Map & Checklist

The competency map below indicates which CSUs relate to each performance element of the assessment.

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<input type="checkbox"/>	4	UEENEEE101A UETTDRRRT23A UETTDRRRT24A	<input type="checkbox"/>	5	UETTDREL11A UETTDRRRT23A UETTDRRRT24A	<input type="checkbox"/>	6	UEENEEE101A UETTDRRRT23A UETTDRRRT24A
<input type="checkbox"/>	7	UEENEEE101A UEENEEE102A UETTDRRRT23A UETTDRRRT24A	<input type="checkbox"/>	8	UETTDRRRT23A UETTDRRRT24A	<input type="checkbox"/>	9	UETTDRRRT23A UETTDRRRT24A
<input type="checkbox"/>	10	UETTDRRRT23A UETTDRRRT24A	<input type="checkbox"/>	11	UETTDRRRT23A UETTDRRRT24A	<input type="checkbox"/>	12	UETTDREL11A UETTDRRRT23A UETTDRRRT24A

Workplace Assessment – Solve Problems in Circuits
Candidate:

<input type="checkbox"/>	13	UEENEEE101A UETTD RRT23A UETTD RRT24A	<input type="checkbox"/>	14	UEENEEE101A UETTD RRT23A UETTD RRT24A	<input type="checkbox"/>	15	UEENEEE101A UETTD RRT23A UETTD RRT24A
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Element		Competency Standard Unit (CSU)	Element		Competency Standard Unit (CSU)	Element		Competency Standard Unit (CSU)
<input type="checkbox"/>	16	UETTDREL11A UETTD RRT23A UETTD RRT24A	<input type="checkbox"/>	17	UEENEEE101A UETTD RRT23A UETTD RRT24A	<input type="checkbox"/>	18	UETTD RRT23A UETTD RRT24A
<input type="checkbox"/>	19	UETTD RRT23A UETTD RRT24A						



Workplace Assessment

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Install & Maintain Traction Overhead Components & Equipment

Candidate: _____

Employer: _____

Date: _____

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Workplace Assessment – Solve Problems in Circuits
Candidate:

Workplace Assessment Details

Candidate Name:	Employer:	
Assessor Name:	Date:	Time:
Work Location:		

Methods of assessment key:

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|----------------------------|----------------------------|
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Candidate:

Assessment Elements

Employability skills				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
1	Candidate arrives at work on-time, with required tools, PPE and equipment		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Preparing to undertake work				
2	Candidate receives and confirms instructions and procedures related to the work to be performed		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

3	Candidate receives and confirms OHS procedures, and participates in Job Safety Analysis (JSA)		<input type="checkbox"/> Yes <input type="checkbox"/> No	
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Preparing to undertake work				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
4	Candidate identifies and obtains required work permits		<input type="checkbox"/> Yes <input type="checkbox"/> No	
5	Candidate identifies risks to the environment related to the work to be performed		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

6	Candidate identifies and confirms arrangements for rail/road traffic management		<input type="checkbox"/> Yes <input type="checkbox"/> No	
7	Candidate selects tools, PPE and equipment appropriate to carry out the task		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
8	Candidate verifies that circuits are isolated and safe prior to commencing work		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

9	<p>Candidate installs / maintains two or more of the following fittings, as part of an overhead traction system: <i>(indicate)</i> <input type="checkbox"/> Preformed fittings <input type="checkbox"/> Compression fittings <input type="checkbox"/> Wedge fittings <input type="checkbox"/> Bolted splices</p>		<input type="checkbox"/> Yes <input type="checkbox"/> No	
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Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments

Workplace Assessment – Solve Problems in Circuits

Candidate:

10	<p>Candidate installs / maintains two or more of the following devices as part of an overhead traction system: <i>(indicate)</i></p> <ul style="list-style-type: none"> () Fuse switches () Dropout fuses () Section insulators () Switches/isolators () Links () Fuses () Surge diverters () Transformers 		<input type="checkbox"/> Yes <input type="checkbox"/> No	
11	<p>Candidate uses two or more of the following tools / equipment during the installation of an overhead traction system: <i>(indicate)</i></p> <ul style="list-style-type: none"> () Voltage detectors () Micrometer/gauge () Tension wrench () Dynamometer () Specialised tools 		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Carrying out work tasks

	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
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Workplace Assessment – Solve Problems in Circuits

Candidate:

12	<p>Candidate installs five or more of the following overhead traction system components: (<i>indicate</i>)</p> <ul style="list-style-type: none"> () Cantilever hardware () Head span () Neutral sections () Pull offs () Registration fittings () Steady span () Tension regulators () Cross spans () Tramway support network () Pendulum 		<input type="checkbox"/> Yes <input type="checkbox"/> No	
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Candidate:

Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
13	Candidate installs three or more of the following overhead traction system components: <i>(indicate)</i> <input type="checkbox"/> Feeders <input type="checkbox"/> Dissimilar conductors <input type="checkbox"/> Lugs <input type="checkbox"/> Bolted clamp <input type="checkbox"/> Drapes/potential jumper <input type="checkbox"/> Droppers		<input type="checkbox"/> Yes <input type="checkbox"/> No	
14	Candidate uses two or more of the following tools / equipment during the installation of an overhead traction system: <i>(indicate)</i> <input type="checkbox"/> Voltage detectors <input type="checkbox"/> Micrometer/gauge <input type="checkbox"/> Tension wrench <input type="checkbox"/> Dynamometer <input type="checkbox"/> Specialised tools		<input type="checkbox"/> Yes <input type="checkbox"/> No	

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Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
15	Candidate implements work practices to minimise waste, conserve energy, recycle materials and protect the environment		<input type="checkbox"/> Yes <input type="checkbox"/> No	
16	Candidate follows instructions and safe work methods/procedures at all times		<input type="checkbox"/> Yes <input type="checkbox"/> No	
17	Candidate confirms procedures to deal with non-routine events, provides suitable solutions and/or refers events to authorised personnel		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
18	Candidate confirms procedures for reporting accidents and/or incidents to authorised personnel		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Completing work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
19	Candidate returns work permit(s) and/or access authorisation(s)		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

Completing work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
20	Work area is cleaned and tools, equipment and materials are cleaned and stored		<input type="checkbox"/> Yes <input type="checkbox"/> No	
21	Candidate notifies appropriate personnel of work completion according to established procedures		<input type="checkbox"/> Yes <input type="checkbox"/> No	
22	Candidate completes works completion records, report forms/data sheets accurately		<input type="checkbox"/> Yes <input type="checkbox"/> No	

END OF ASSESSMENT

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Workplace Assessment – Solve Problems in Circuits
 Candidate:

Assessor Comments

Assessment Outcome

The evidence gathered demonstrates that the candidate can prepare for, carry out and complete work tasks autonomously, to requirements and time-frames typically expected in the industry, and at a level of competency that reflects his/her current stage through their training program:	<input type="checkbox"/> Yes	<input type="checkbox"/> No
---	------------------------------	-----------------------------

I have made the determination above, based on evidence collected by using a variety of assessment methods, as detailed above, utilised in the candidate's workplace:

Assessor: _____

Signature: _____ Date: _____

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Workplace Assessment – Solve Problems in Circuits
 Candidate:

Candidate Feedback (including gaps and improvement strategies if required)

Candidate Declaration

I have been informed of the assessment result, the reasons behind the determination and a strategy for improvement if necessary.

Candidate: _____

Signature: _____ Date: _____

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Competency Map & Checklist

The competency map below indicates which CSUs relate to each performance element of the assessment.

Element		Competency Standard Unit (CSU)	Element		Competency Standard Unit (CSU)	Element		Competency Standard Unit (CSU)
<input type="checkbox"/>	1	UEENEEE101A Employability Skills	<input type="checkbox"/>	2	UEENEEE101A UETTDREL11A UETTDRRRT27A UETTDRRRT28A	<input type="checkbox"/>	3	UEENEEE101A UETTDRRRT27A UETTDRRRT28A
<input type="checkbox"/>	4	UEENEEE101A UETTDRRRT27A UETTDRRRT28A	<input type="checkbox"/>	5	UETTDREL11A UETTDRRRT27A UETTDRRRT28A	<input type="checkbox"/>	6	UEENEEE101A UETTDRRRT27A UETTDRRRT28A
<input type="checkbox"/>	7	UEENEEE101A UEENEEE102A UETTDRRRT27A UETTDRRRT28A	<input type="checkbox"/>	8	UETTDRRRT27A UETTDRRRT28A	<input type="checkbox"/>	9	UETTDRRRT27A UETTDRRRT28A
<input type="checkbox"/>	10	UETTDRRRT27A UETTDRRRT28A	<input type="checkbox"/>	11	UETTDRRRT27A UETTDRRRT28A	<input type="checkbox"/>	12	UETTDRRRT27A UETTDRRRT28A
<input type="checkbox"/>	13	UEENEEE101A UETTDRRRT27A UETTDRRRT28A	<input type="checkbox"/>	14	UEENEEE101A UETTDRRRT27A UETTDRRRT28A	<input type="checkbox"/>	15	UEENEEE101A UETTDREL11A UETTDRRRT27A UETTDRRRT28A

Workplace Assessment – Solve Problems in Circuits

Candidate:

Element		Competency Standard Unit (CSU)	Element		Competency Standard Unit (CSU)	Element		Competency Standard Unit (CSU)
<input type="checkbox"/>	16	UEENEEE101A UETDRRT27A UETDRRT28A	<input type="checkbox"/>	17	UEENEEE101A UEENEEE105A UETDRREL11A UETDRRT27A UETDRRT28A	<input type="checkbox"/>	18	UEENEEE101A UETDRRT27A UETDRRT28A
<input type="checkbox"/>	19	UEENEEE101A UETDRRT27A UETDRRT28A	<input type="checkbox"/>	20	UEENEEE101A UEENEEE102A UETDRREL11A UETDRRT27A UETDRRT28A	<input type="checkbox"/>	21	UEENEEE101A UETDRRT27A UETDRRT28A
<input type="checkbox"/>	22	UEENEEE101A UETDRRT27A UETDRRT28A						



Workplace Assessment

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Install & Maintain Traction Overhead Configurations

Candidate: _____

Employer: _____

Date: _____

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Workplace Assessment – Solve Problems in Circuits
 Candidate:

Workplace Assessment Details

Candidate Name:	Employer:	
Assessor Name:	Date:	Time:
Work Location:		

Methods of assessment key:

-
- | | |
|----------------------------|----------------------------|
| WO = Workplace Observation | P = Portfolio |
| Q = Questioning | TPF = Third Party Feedback |
| SA = Structured Activities | RP = Review of Products |
-

The candidate will be assessed by one or more of the following methods:

- workplace observation, whereby the assessor watches the candidate carry out a task as part of his or her normal work duties
- questioning, whereby the assessor asks the candidate questions to determine his or her understanding of underpinning knowledge, in relation to relevant workplace activities
- structured activities, whereby the assessor observes the candidate participate in a simulation, scenario or role play
- portfolio, whereby the assessor collects evidence from the workplace, such as workplace documents, that demonstrate that the candidate has participated in relevant workplace activities
- third party feedback, whereby the assessor conducts one or more interviews with the candidate’s supervisor(s) and / or peers to gain information relating to the candidate’s performance in the workplace
- review of products, whereby the assessor reviews samples of work, completed by the candidate, in the workplace

Workplace Assessment – Solve Problems in Circuits

Candidate:

Assessment Elements

Employability skills				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
1	Candidate arrives at work on-time, with required tools, PPE and equipment		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Preparing to undertake work				
2	Candidate receives and confirms instructions and procedures related to the work to be performed		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

3	Candidate receives and confirms OHS procedures, and participates in Job Safety Analysis (JSA)		<input type="checkbox"/> Yes <input type="checkbox"/> No	
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Preparing to undertake work				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
4	Candidate identifies and obtains required work permits		<input type="checkbox"/> Yes <input type="checkbox"/> No	
5	Candidate identifies risks to the environment related to the work to be performed		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

6	Candidate identifies and confirms arrangements for rail/road traffic management		<input type="checkbox"/> Yes <input type="checkbox"/> No	
7	Candidate selects tools, PPE and equipment appropriate to carry out the task		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
8	Candidate installs / maintains three or more of the following configurations: <i>(indicate)</i> <input type="checkbox"/> Overlap <input type="checkbox"/> Cross-over <input type="checkbox"/> Turnout crossings <input type="checkbox"/> Train/tram crossing		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

9	<p>Candidate uses one or more of the following plant / equipment to install overhead traction configurations: <i>(indicate)</i> <input type="checkbox"/> Elevating work platform <input type="checkbox"/> Road/rail traction height access equipment. <input type="checkbox"/> Ladders</p>		<input type="checkbox"/> Yes <input type="checkbox"/> No	
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Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
10	<p>Candidate uses two or more of the following pieces of equipment to install / maintain overhead traction configurations: <i>(indicate)</i> <input type="checkbox"/> Height gauge <input type="checkbox"/> Stagger gauge <input type="checkbox"/> Cant gauge</p>		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

11	<p>Candidate uses one or more of the following testers to verify overhead traction configurations: (<i>indicate</i>)</p> <p>() LV or HV voltage detector</p> <p>() Voltmeter</p> <p>() Insulation resistance tester</p> <p>() Field intensity tester</p>		<input type="checkbox"/> Yes <input type="checkbox"/> No	
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Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
12	<p>Candidate implements work practices to minimise waste, conserve energy, recycle materials and protect the environment</p>		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

13	Candidate follows instructions and safe work methods/procedures at all times		<input type="checkbox"/> Yes <input type="checkbox"/> No	
14	Candidate confirms procedures to deal with non-routine events, provides suitable solutions and/or refers events to authorised personnel		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
15	Candidate confirms procedures for reporting accidents and/or incidents to authorised personnel		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

Completing work tasks				
16	Candidate returns work permit(s) and/or access authorisation(s)		<input type="checkbox"/> Yes <input type="checkbox"/> No	
17	Work area is cleaned and tools, equipment and materials are cleaned and stored		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Completing work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments

Workplace Assessment – Solve Problems in Circuits

Candidate:

18	Candidate notifies appropriate personnel of work completion according to established procedures		<input type="checkbox"/> Yes <input type="checkbox"/> No	
19	Candidate completes works completion records, report forms/data sheets accurately		<input type="checkbox"/> Yes <input type="checkbox"/> No	

END OF ASSESSMENT

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Workplace Assessment – Solve Problems in Circuits

Candidate:

Assessor Comments

Assessment Outcome

<p>The evidence gathered demonstrates that the candidate can prepare for, carry out and complete work tasks autonomously, to requirements and time-frames typically expected in the industry, and at a level of competency that reflects his/her current stage through their training program:</p>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
--	------------------------------	-----------------------------

I have made the determination above, based on evidence collected by using a variety of assessment methods, as detailed above, utilised in the candidate's workplace:

Assessor: _____

Signature: _____ Date: _____

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Workplace Assessment – Solve Problems in Circuits

Candidate:

Candidate Feedback (including gaps and improvement strategies if required)

Candidate Declaration

I have been informed of the assessment result, the reasons behind the determination and a strategy for improvement if necessary.

Candidate: _____

Signature: _____ Date: _____

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Competency Map & Checklist

The competency map below indicates which CSUs relate to each performance element of the assessment.

Element		Competency Standard Unit (CSU)	Element		Competency Standard Unit (CSU)	Element		Competency Standard Unit (CSU)
<input type="checkbox"/>	1	UEENEEE101A UETTD RRT25A UETTD RRT26A Employability Skills	<input type="checkbox"/>	2	UEENEEE101A UETTDREL11A UETTD RRT25A UETTD RRT26A	<input type="checkbox"/>	3	UEENEEE101A UETTD RRT25A UETTD RRT26A
<input type="checkbox"/>	4	UEENEEE101A UETTD RRT25A UETTD RRT26A	<input type="checkbox"/>	5	UETTDREL11A UETTD RRT25A UETTD RRT26A	<input type="checkbox"/>	6	UEENEEE101A UETTD RRT25A UETTD RRT26A
<input type="checkbox"/>	7	UEENEEE101A UEENEEE102A UETTD RRT25A UETTD RRT26A	<input type="checkbox"/>	8	UETTD RRT25A UETTD RRT26A	<input type="checkbox"/>	9	UEENEEE101A UETTD RRT25A UETTD RRT26A
<input type="checkbox"/>	10	UETTD RRT25A UETTD RRT26A	<input type="checkbox"/>	11	UETTD RRT25A UETTD RRT26A UETTD RRT99A	<input type="checkbox"/>	12	UETTDREL11A UETTD RRT25A UETTD RRT26A

Workplace Assessment – Solve Problems in Circuits
Candidate:

<input type="checkbox"/>	13	UEENEEE101A UETTD RRT25A UETTD RRT26A	<input type="checkbox"/>	14	UEENEEE101A UETTD RRT25A UETTD RRT26A	<input type="checkbox"/>	15	UEENEEE101A UETTD RRT25A UETTD RRT26A
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Element		Competency Standard Unit (CSU)	Element		Competency Standard Unit (CSU)	Element		Competency Standard Unit (CSU)
<input type="checkbox"/>	16	UEENEEE101A UETTD RRT25A UETTD RRT26A	<input type="checkbox"/>	17	UEENEEE101A UETTD REL11A UETTD RRT25A UETTD RRT26A	<input type="checkbox"/>	18	UETTD RRT25A UETTD RRT26A
<input type="checkbox"/>	19	UETTD RRT25A UETTD RRT26A						



Workplace Assessment

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Install & Maintain Traction Overhead Wiring Systems

Candidate: _____

Employer: _____

Date: _____

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Workplace Assessment – Solve Problems in Circuits
 Candidate:

Workplace Assessment Details

Candidate Name:	Employer:	
Assessor Name:	Date:	Time:
Work Location:		

Methods of assessment key:

- | | |
|----------------------------|----------------------------|
| WO = Workplace Observation | P = Portfolio |
| Q = Questioning | TPF = Third Party Feedback |
| SA = Structured Activities | RP = Review of Products |

The candidate will be assessed by one or more of the following methods:

- workplace observation, whereby the assessor watches the candidate carry out a task as part of his or her normal work duties
- questioning, whereby the assessor asks the candidate questions to determine his or her understanding of underpinning knowledge, in relation to relevant workplace activities
- structured activities, whereby the assessor observes the candidate participate in a simulation, scenario or role play
- portfolio, whereby the assessor collects evidence from the workplace, such as workplace documents, that demonstrate that the candidate has participated in relevant workplace activities
- third party feedback, whereby the assessor conducts one or more interviews with the candidate’s supervisor(s) and / or peers to gain information relating to the candidate’s performance in the workplace
- review of products, whereby the assessor reviews samples of work, completed by the candidate, in the workplace

Workplace Assessment – Solve Problems in Circuits

Candidate:

Assessment Elements

Employability skills				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
1	Candidate arrives at work on-time, with required tools, PPE and equipment		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Preparing to undertake work				
2	Candidate receives and confirms instructions and procedures related to the work to be performed		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

3	Candidate receives and confirms OHS procedures, and participates in Job Safety Analysis (JSA)		<input type="checkbox"/> Yes <input type="checkbox"/> No	
----------	---	--	--	--

Preparing to undertake work				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
4	Candidate identifies and obtains required work permits		<input type="checkbox"/> Yes <input type="checkbox"/> No	
5	Candidate identifies risks to the environment related to the work to be performed		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

6	Candidate identifies and confirms arrangements for rail/road traffic management		<input type="checkbox"/> Yes <input type="checkbox"/> No	
7	Candidate selects tools, PPE and equipment appropriate to carry out the task		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
8	Candidate uses one or more of the following plant / equipment to install traction overhead wiring systems: <i>(indicate)</i> <input type="checkbox"/> EWP <input type="checkbox"/> Portable platform <input type="checkbox"/> Ladder		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

9	<p>Candidate installs / secures / maintains four or more of the following traction wiring system components: <i>(indicate)</i></p> <ul style="list-style-type: none"> () Support structure () Span () Section insulator () Neutral section () Midpoint anchor () Support equipment () Tension regulators () Stay/guy wire () Tramway support network 		<input type="checkbox"/> Yes <input type="checkbox"/> No	
----------	--	--	--	--

Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
10	Candidate uses tensioning equipment safely and correctly to install traction overhead wiring systems		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

11	Candidate installs / maintains two or more of the following traction wiring system conductors: <i>(indicate)</i> <input type="checkbox"/> Catenary <input type="checkbox"/> Dropper <input type="checkbox"/> Feeder <input type="checkbox"/> Earth conductor <input type="checkbox"/> Drape/potential jumper		<input type="checkbox"/> Yes <input type="checkbox"/> No	
12	Candidate installs / maintains a contact / trolley safely and correctly		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Carrying out work tasks

	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
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Workplace Assessment – Solve Problems in Circuits

Candidate:

13	<p>Candidate uses one or more of the following tools and equipment to install / maintain traction overhead wiring systems:</p> <p>() Specialised tools () Ropes () Geometry profiling equipment</p>		<input type="checkbox"/> Yes <input type="checkbox"/> No	
14	<p>Candidate implements work practices to minimise waste, conserve energy, recycle materials and protect the environment</p>		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments

Workplace Assessment – Solve Problems in Circuits

Candidate:

15	Candidate follows instructions and safe work methods/procedures at all times		<input type="checkbox"/> Yes <input type="checkbox"/> No	
16	Candidate confirms procedures to deal with non-routine events, provides suitable solutions and/or refers events to authorised personnel		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments

Workplace Assessment – Solve Problems in Circuits

Candidate:

17	Candidate confirms procedures for reporting accidents and/or incidents to authorised personnel		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Completing work tasks				
18	Candidate returns work permit(s) and/or access authorisation(s)		<input type="checkbox"/> Yes <input type="checkbox"/> No	
19	Work area is cleaned and tools, equipment and materials are cleaned and stored		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Completing work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments

Workplace Assessment – Solve Problems in Circuits

Candidate:

20	Candidate notifies appropriate personnel of work completion according to established procedures		<input type="checkbox"/> Yes <input type="checkbox"/> No	
21	Candidate completes works completion records, report forms/data sheets accurately		<input type="checkbox"/> Yes <input type="checkbox"/> No	

END OF ASSESSMENT

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Workplace Assessment – Solve Problems in Circuits

Candidate:

Assessor Comments

Assessment Outcome

<p>The evidence gathered demonstrates that the candidate can prepare for, carry out and complete work tasks autonomously, to requirements and time-frames typically expected in the industry, and at a level of competency that reflects his/her current stage through their training program:</p>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
--	------------------------------	-----------------------------

I have made the determination above, based on evidence collected by using a variety of assessment methods, as detailed above, utilised in the candidate's workplace:

Assessor: _____

Signature: _____ Date: _____

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Workplace Assessment – Solve Problems in Circuits

Candidate:

Candidate Feedback (including gaps and improvement strategies if required)

Candidate Declaration

I have been informed of the assessment result, the reasons behind the determination and a strategy for improvement if necessary.

Candidate: _____

Signature: _____ Date: _____

Authorised by: Managing Director Craig Murray	Head of QIT - electrogroup Bob Carcary	Release Date: 22/02/2013	Author: Q Jeremy	Revision No: 1	Page: 74 of 16
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Workplace Assessment – Solve Problems in Circuits
Candidate:

Competency Map & Checklist

The competency map below indicates which CSUs relate to each performance element of the assessment.

Element		Competency Standard Unit (CSU)	Element		Competency Standard Unit (CSU)	Element		Competency Standard Unit (CSU)
<input type="checkbox"/>	1	UEENEEE101A Employability Skills	<input type="checkbox"/>	2	UEENEEE101A UETTDREL11A UETTDRRRT21A UETTDRRRT22A	<input type="checkbox"/>	3	UEENEEE101A UETTDRRRT21A UETTDRRRT22A
<input type="checkbox"/>	4	UEENEEE101A UETTDRRRT21A UETTDRRRT22A	<input type="checkbox"/>	5	UETTDREL11A UETTDRRRT21A UETTDRRRT22A	<input type="checkbox"/>	6	UEENEEE101A UETTDRRRT21A UETTDRRRT22A
<input type="checkbox"/>	7	UEENEEE101A UEENEEE102A UETTDRRRT21A UETTDRRRT22A	<input type="checkbox"/>	8	UETTDRRRT21A UETTDRRRT22A	<input type="checkbox"/>	9	UETTDRRRT21A UETTDRRRT22A
<input type="checkbox"/>	10	UETTDRI54A UETTDRRRT21A UETTDRRRT22A	<input type="checkbox"/>	11	UETTDRI54A UETTDRRRT21A UETTDRRRT22A	<input type="checkbox"/>	12	UETTDRRRT21A UETTDRRRT22A

Workplace Assessment – Solve Problems in Circuits

Candidate:

<input type="checkbox"/>	13	UEENEEE101A UETTDRRRT21A UETTDRRRT22A	<input type="checkbox"/>	14	UEENEEE101A UETTDREL11A UETTDRRRT21A UETTDRRRT22A	<input type="checkbox"/>	15	UEENEEE101A UETTDRRRT21A UETTDRRRT22A
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Element		Competency Standard Unit (CSU)	Element		Competency Standard Unit (CSU)	Element		Competency Standard Unit (CSU)
<input type="checkbox"/>	16	UEENEEE101A UEENEEE105A UETTDREL11A UETTDRRRT21A UETTDRRRT22A	<input type="checkbox"/>	17	UEENEEE101A UETTDRRRT21A UETTDRRRT22A	<input type="checkbox"/>	18	UEENEEE101A UETTDRRRT21A UETTDRRRT22A
<input type="checkbox"/>	19	UEENEEE101A UEENEEE102A UETTDREL11A UETTDRRRT21A UETTDRRRT22A	<input type="checkbox"/>	20	UEENEEE101A UETTDRRRT21A UETTDRRRT22A	<input type="checkbox"/>	21	UEENEEE101A UETTDRRRT21A UETTDRRRT22A



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Workplace Assessment

Vegetation Control

Candidate: _____

Employer: _____

Date: _____

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Workplace Assessment – Solve Problems in Circuits
 Candidate:

Workplace Assessment Details

Candidate Name:	Employer:	
Assessor Name:	Date:	Time:
Work Location:		

Methods of assessment key:

-
- | | |
|----------------------------|----------------------------|
| WO = Workplace Observation | P = Portfolio |
| Q = Questioning | TPF = Third Party Feedback |
| SA = Structured Activities | RP = Review of Products |
-

The candidate will be assessed by one or more of the following methods:

- workplace observation, whereby the assessor watches the candidate carry out a task as part of his or her normal work duties
- questioning, whereby the assessor asks the candidate questions to determine his or her understanding of underpinning knowledge, in relation to relevant workplace activities
- structured activities, whereby the assessor observes the candidate participate in a simulation, scenario or role play
- portfolio, whereby the assessor collects evidence from the workplace, such as workplace documents, that demonstrate that the candidate has participated in relevant workplace activities
- third party feedback, whereby the assessor conducts one or more interviews with the candidate’s supervisor(s) and / or peers to gain information relating to the candidate’s performance in the workplace
- review of products, whereby the assessor reviews samples of work, completed by the candidate, in the workplace

Assessment Elements

Employability skills				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
1	Candidate arrives at work on-time, with required tools, PPE and equipment		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Preparing to undertake work				
2	Candidate receives and confirms instructions and procedures related to the work to be performed		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

3	Candidate receives and confirms OHS procedures, and participates in Job Safety Analysis (JSA)		<input type="checkbox"/> Yes <input type="checkbox"/> No	
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Preparing to undertake work				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
4	Candidate identifies and obtains required work permits		<input type="checkbox"/> Yes <input type="checkbox"/> No	
5	Candidate identifies risks to the environment related to the work to be performed		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

6	Candidate identifies and confirms arrangements for rail/road traffic management		<input type="checkbox"/> Yes <input type="checkbox"/> No	
7	Candidate selects tools, PPE and equipment appropriate to carry out the task		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
8	Candidate successfully controls vegetation from one or more of the following height access equipment: <i>(indicate)</i> <input type="checkbox"/> Non conductive ladder <input type="checkbox"/> EWP <input type="checkbox"/> Ground level		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

9	<p>Candidate uses two or more of the following methods to effectively control vegetation: <i>(indicate)</i></p> <p>() Hand clearing () Specialised tools and equipment () Machinery assisted clearing () Herbicidal clearing</p>		<input type="checkbox"/> Yes <input type="checkbox"/> No	
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Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
10	<p>Candidate implements work practices to minimise waste, conserve energy, recycle materials and protect the environment</p>		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

11	Candidate follows instructions and safe work methods/procedures at all times		<input type="checkbox"/> Yes <input type="checkbox"/> No	
12	Candidate confirms procedures to deal with non-routine events, provides suitable solutions and/or refers events to authorised personnel		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
13	Candidate confirms procedures for reporting accidents and/or incidents to authorised personnel		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

Completing work tasks				
14	Candidate returns work permit(s) and/or access authorisation(s)		<input type="checkbox"/> Yes <input type="checkbox"/> No	
15	Work area is cleaned and tools, equipment and materials are cleaned and stored		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Completing work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments

Workplace Assessment – Solve Problems in Circuits

Candidate:

16	Candidate notifies appropriate personnel of work completion according to established procedures		<input type="checkbox"/> Yes <input type="checkbox"/> No	
17	Candidate completes works completion records, report forms/data sheets accurately		<input type="checkbox"/> Yes <input type="checkbox"/> No	

END OF ASSESSMENT

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Workplace Assessment – Solve Problems in Circuits

Candidate:

Assessor Comments

Assessment Outcome

<p>The evidence gathered demonstrates that the candidate can prepare for, carry out and complete work tasks autonomously, to requirements and time-frames typically expected in the industry, and at a level of competency that reflects his/her current stage through their training program:</p>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
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I have made the determination above, based on evidence collected by using a variety of assessment methods, as detailed above, utilised in the candidate's workplace:

Assessor: _____

Signature: _____ Date: _____

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Workplace Assessment – Solve Problems in Circuits

Candidate:

Candidate Feedback (including gaps and improvement strategies if required)

Candidate Declaration

I have been informed of the assessment result, the reasons behind the determination and a strategy for improvement if necessary.

Candidate: _____

Signature: _____ Date: _____

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Competency Map & Checklist

The competency map below indicates which CSUs relate to each performance element of the assessment.

Element		Competency Standard Unit (CSU)	Element		Competency Standard Unit (CSU)	Element		Competency Standard Unit (CSU)
<input type="checkbox"/>	1	UEENEEE101A Employability Skills	<input type="checkbox"/>	2	UEENEEE101A UETTDREL11A UETTDRCV09B	<input type="checkbox"/>	3	UEENEEE101A UETTDRCV09B
<input type="checkbox"/>	4	UEENEEE101A UETTDRCV09B	<input type="checkbox"/>	5	UETTDREL11A UETTDRCV09B	<input type="checkbox"/>	6	UEENEEE101A UETTDRCV09B
<input type="checkbox"/>	7	UEENEEE101A UEENEEE102A UETTDRCV09B	<input type="checkbox"/>	8	UEENEEE101A UETTDRCV09B	<input type="checkbox"/>	9	UEENEEE101A UETTDRCV09B
<input type="checkbox"/>	10	UETTDREL11A UETTDRCV09B	<input type="checkbox"/>	11	UEENEEE101A UETTDRCV09B	<input type="checkbox"/>	12	UEENEEE101A UETTDRCV09B
<input type="checkbox"/>	13	UEENEEE101A UETTDRCV09B	<input type="checkbox"/>	14	UEENEEE101A UETTDRCV09B	<input type="checkbox"/>	15	UEENEEE101A UETTDREL11A UETTDRCV09B

Workplace Assessment – Solve Problems in Circuits
 Candidate:

<input type="checkbox"/>	16	UETTDTRVC09B	<input type="checkbox"/>	17	UETTDTRVC09B			
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Workplace Assessment

Working Safely Near Energised Equipment

Candidate: _____

Employer: _____

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Workplace Assessment – Solve Problems in Circuits

Candidate: _____

Date: _____

Workplace Assessment Details

Candidate Name:	Employer:	
Assessor Name:	Date:	Time:
Work Location:		

Methods of assessment key:

WO = Workplace Observation	P = Portfolio
Q = Questioning	TPF = Third Party Feedback
SA = Structured Activities	RP = Review of Products

Workplace Assessment – Solve Problems in Circuits

Candidate:

The candidate will be assessed by one or more of the following methods:

- 🎥 workplace observation, whereby the assessor watches the candidate carry out a task as part of his or her normal work duties
- 🎥 questioning, whereby the assessor asks the candidate questions to determine his or her understanding of underpinning knowledge, in relation to relevant workplace activities
- 🎥 structured activities, whereby the assessor observes the candidate participate in a simulation, scenario or role play
- 🎥 portfolio, whereby the assessor collects evidence from the workplace, such as workplace documents, that demonstrate that the candidate has participated in relevant workplace activities
- 🎥 third party feedback, whereby the assessor conducts one or more interviews with the candidate’s supervisor(s) and / or peers to gain information relating to the candidate’s performance in the workplace
- 🎥 review of products, whereby the assessor reviews samples of work, completed by the candidate, in the workplace

Assessment Elements

Employability skills				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
1	Candidate arrives at work on-time, with required tools, PPE and equipment		<input type="checkbox"/> Yes <input type="checkbox"/> No	
Preparing to undertake work				

Workplace Assessment – Solve Problems in Circuits

Candidate:

2	Candidate receives and confirms instructions and procedures related to the work to be performed		<input type="checkbox"/> Yes <input type="checkbox"/> No	
3	Candidate receives and confirms OHS procedures, and participates in Job Safety Analysis (JSA)		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Preparing to undertake work				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
4	Candidate identifies risks to the environment related to the work to be performed		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

5	Candidate identifies electricity infrastructure assets, related voltages and confirms safe approach distances and zones		<input type="checkbox"/> Yes <input type="checkbox"/> No	
6	Candidate selects tools, PPE and equipment appropriate to carry out the task		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
7	Candidate follows instructions and safe work methods/procedures whilst performing the work near live electrical apparatus		<input type="checkbox"/> Yes <input type="checkbox"/> No	

Workplace Assessment – Solve Problems in Circuits

Candidate:

8	<p>Candidate safely operates one or more of the following types of plant near live electrical conductors and/or apparatus: <i>(indicate)</i></p> <p>() EWPs () Back hoes () Self loading vehicle () Borer () Bobcat () Trench excavators () Heavy vehicles</p>		<input type="checkbox"/> Yes <input type="checkbox"/> No	
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Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments

Workplace Assessment – Solve Problems in Circuits

Candidate:

9	<p>Candidate safely operates more than one of the following types of equipment near live electrical conductors and/or apparatus: <i>(indicate)</i></p> <ul style="list-style-type: none"> () Portable generators () Chain-saws () Concrete cutters () Jack hammers () Welders () Compressor () Crimper-cutters () Pumps () Post hole diggers () Drills () Friction grip winches () Pullers () Block and tackle 		<input type="checkbox"/> Yes <input type="checkbox"/> No	
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Carrying out work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
10	Candidate implements work practices that minimise waste, conserve energy, recycle materials and protect the environment		<input type="checkbox"/> Yes <input type="checkbox"/> No	
11	Candidate confirms procedures to deal with non-routine events, provides suitable solutions and/or refers events to authorised personnel		<input type="checkbox"/> Yes <input type="checkbox"/> No	
12	Candidate confirms procedures for reporting accidents and/or incidents to authorised personnel		<input type="checkbox"/> Yes <input type="checkbox"/> No	

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Workplace Assessment – Solve Problems in Circuits

Candidate:

Completing work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
13	Candidate returns work permit(s) and/or access authorisation(s)		<input type="checkbox"/> Yes <input type="checkbox"/> No	
14	Work area is cleaned and tools, equipment and materials are stored		<input type="checkbox"/> Yes <input type="checkbox"/> No	
15	Candidate notifies appropriate personnel of work completion according to established procedures		<input type="checkbox"/> Yes <input type="checkbox"/> No	

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Workplace Assessment – Solve Problems in Circuits

Candidate:

Completing work tasks				
	Performance Element	Methods of Assessment	Successfully Demonstrated	Assessor Comments
16	Candidate completes works completion records, report forms/data sheets accurately		<input type="checkbox"/> Yes <input type="checkbox"/> No	

END OF ASSESSMENT

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Workplace Assessment – Solve Problems in Circuits

Candidate:

Assessor Comments

Assessment Outcome

<p>The evidence gathered demonstrates that the candidate can prepare for, carry out and complete work tasks autonomously, to requirements and time-frames typically expected in the industry, and at a level of competency that reflects his/her current stage through their training program:</p>	<input type="checkbox"/> Yes	<input type="checkbox"/> No
--	------------------------------	-----------------------------

I have made the determination above, based on evidence collected by using a variety of assessment methods, as detailed above, utilised in the candidate's workplace:

Assessor: _____

Signature: _____ Date: _____

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Workplace Assessment – Solve Problems in Circuits

Candidate:

Candidate Feedback (including gaps and improvement strategies if required)

Candidate Declaration

I have been informed of the assessment result, the reasons behind the determination and a strategy for improvement if necessary.

Candidate: _____

Signature: _____ Date: _____

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Workplace Assessment – Solve Problems in Circuits
Candidate:

Competency Map & Checklist

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<input type="checkbox"/>	4	UETTDREL11A	<input type="checkbox"/>	5	UEENEEE101A UETTDREL12A UETTDREL16A	<input type="checkbox"/>	6	UEENEEE101A UEENEEE102A UETTDREL12A UETTDREL16A
<input type="checkbox"/>	7	UEENEEE101A UETTDREL12A UETTDREL16A	<input type="checkbox"/>	8	UEENEEE101A UETTDREL12A UETTDREL16A	<input type="checkbox"/>	9	UEENEEE101A UEENEEE102A UETTDREL12A UETTDREL16A
<input type="checkbox"/>	10	UETTDREL11A UETTDREL12A UETTDREL16A	<input type="checkbox"/>	11	UEENEEE101A UETTDREL12A UETTDREL16A	<input type="checkbox"/>	12	UEENEEE101A UETTDREL12A UETTDREL16A

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Workplace Assessment – Solve Problems in Circuits

Candidate:

Element		Competency Standard Unit (CSU)	Element		Competency Standard Unit (CSU)	Element		Competency Standard Unit (CSU)
<input type="checkbox"/>	13	UEENEEE101A UETTDREL12A UETTDREL16A	<input type="checkbox"/>	14	UEENEEE101A UEENEEE102A UETTDREL11A UETTDREL12A UETTDREL16A	<input type="checkbox"/>	15	UEENEEE101A UETTDREL12A UETTDREL16A
<input type="checkbox"/>	16	UETTDREL12A UETTDREL16A						